

10/823,597

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204BXD

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder, Wizard within
STN Express with Discover!
NEWS 4 OCT 28 KOREAPAT now available on STN
NEWS 5 NOV 30 PHAR reloaded with additional data
NEWS 6 DEC 01 LISA now available on STN
NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004
NEWS 8 DEC 15 MEDLINE update schedule for December 2004
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and
February 2005
NEWS 17 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
(ROSPATENT) added to list of core patent offices covered
NEWS 18 FEB 10 STN Patent Forums to be held in March 2005
NEWS 19 FEB 16 STN User Update to be held in conjunction with the 229th ACS
National Meeting on March 13, 2005
NEWS 20 FEB 28 PATDPAFULL - New display fields provide for legal status
data from INPADOC
NEWS 21 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 22 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 23 MAR 02 GBFULL: New full-text patent database on STN
NEWS 24 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 25 MAR 03 MEDLINE file segment of TOXCENTER reloaded

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:02:20 ON 05 MAR 2005

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:02:29 ON 05 MAR 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 MAR 2005 HIGHEST RN 842103-48-4

DICTIONARY FILE UPDATES: 3 MAR 2005 HIGHEST RN 842103-48-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

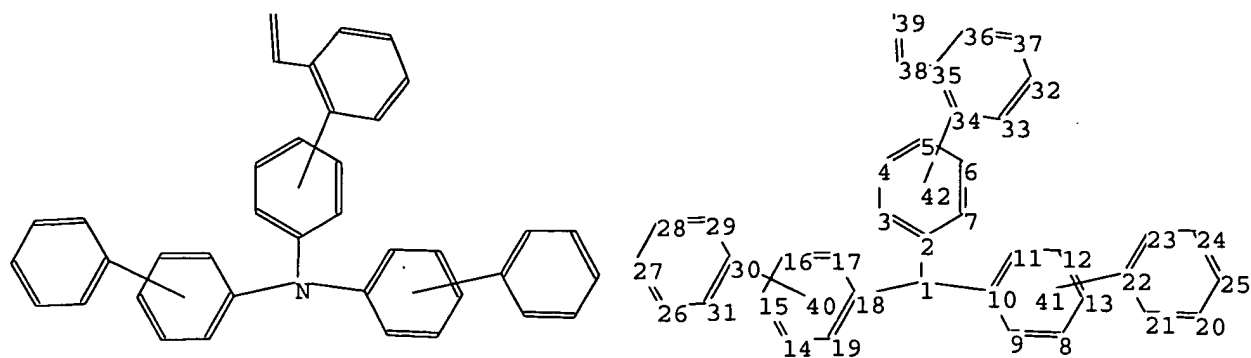
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10823597.str



chain nodes :

1 38 39

ring nodes :

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 35 36 37

chain bonds :

1-2 1-18 1-10 35-38 38-39

ring bonds :

2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 14-15 14-19
15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

exact/norm bonds :

1-2 1-18 1-10

exact bonds :

35-38 38-39

normalized bonds :

2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 14-15 14-19
15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

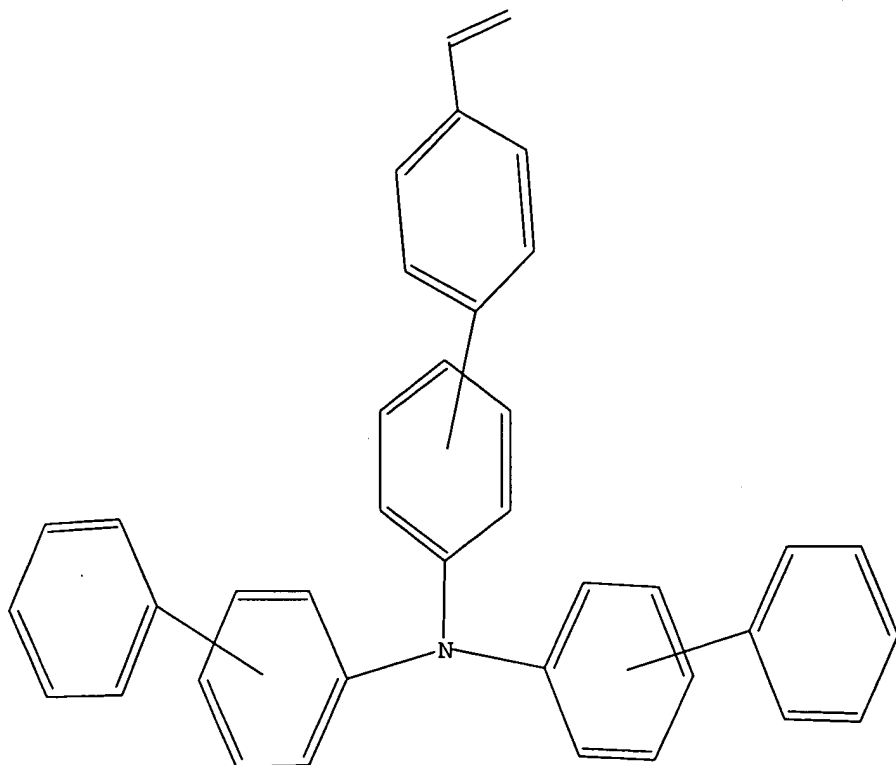
Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS

L1 STRUCTURE UPLOADED

=> d query

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 13:02:53 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1619 TO ITERATE

61.8% PROCESSED 1000 ITERATIONS 0 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 29967 TO 34793
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 13:02:58 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 32806 TO ITERATE

100.0% PROCESSED 32806 ITERATIONS 8 ANSWERS
 SEARCH TIME: 00.00.03

L3 8 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

161.33

161.54

FILE 'CAPLUS' ENTERED AT 13:03:19 ON 05 MAR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 5 Mar 2005 VOL 142 ISS 11
FILE LAST UPDATED: 4 Mar 2005 (20050304/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 6 L3

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.45

161.99

FILE 'REGISTRY' ENTERED AT 13:04:08 ON 05 MAR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 MAR 2005 HIGHEST RN 842103-48-4
DICTIONARY FILE UPDATES: 3 MAR 2005 HIGHEST RN 842103-48-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

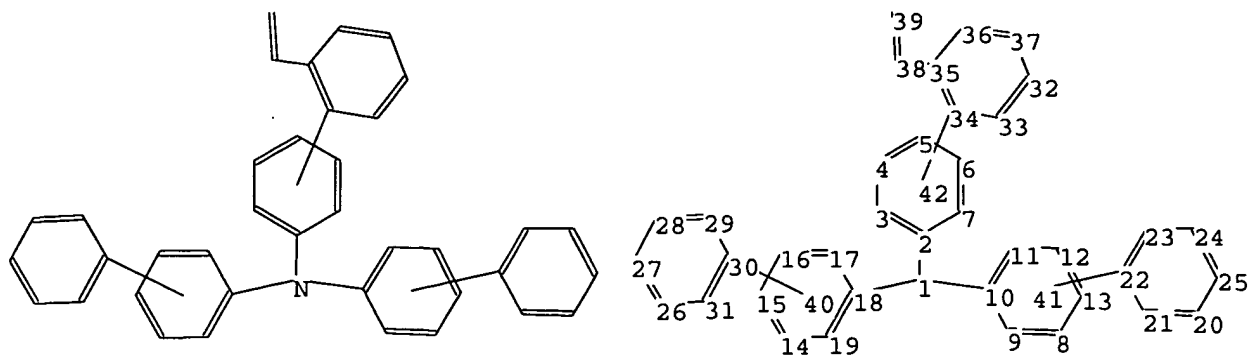
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10823597.str



chain nodes :

1 38 39

ring nodes :

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 35 36 37

chain bonds :

1-2 1-18 1-10 35-38 38-39

ring bonds :

2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 14-15 14-19
15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

exact/norm bonds :

1-2 1-18 1-10

exact bonds :

35-38 38-39

normalized bonds :

2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 14-15 14-19
15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

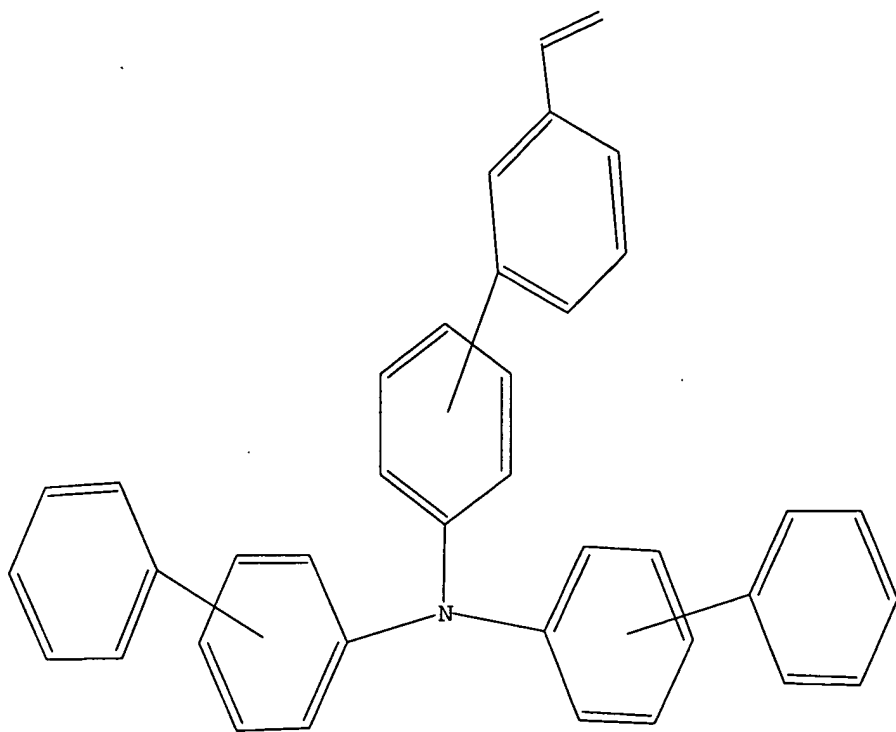
Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS

L5 STRUCTURE UPLOADED

=> d query

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 13:04:32 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1619 TO ITERATE

61.8% PROCESSED 1000 ITERATIONS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 29967 TO 34793
 PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 full

FULL SEARCH INITIATED 13:04:35 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 32806 TO ITERATE

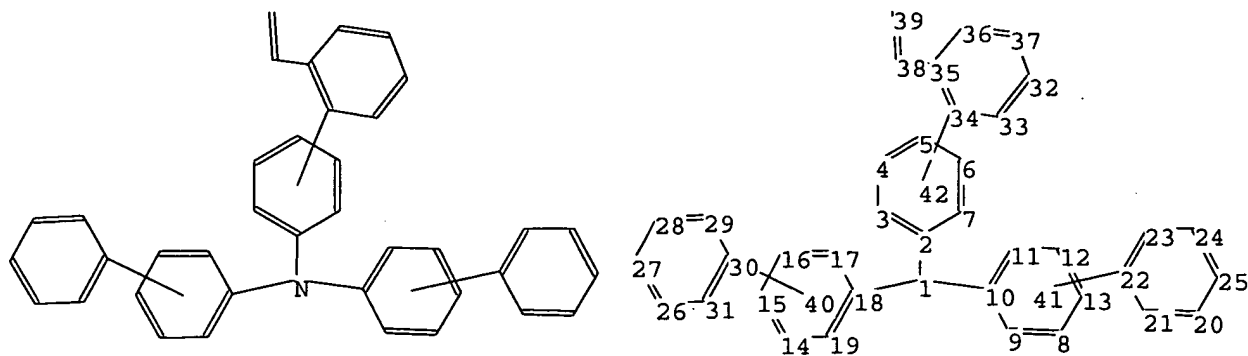
100.0% PROCESSED 32806 ITERATIONS
 SEARCH TIME: 00.00.02

0 ANSWERS

L7 0 SEA SSS FUL L5

=>

Uploading C:\Program Files\Stnexp\Queries\10823597.str



chain nodes :

1 38 39

ring nodes :

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 35 36 37

chain bonds :

1-2 1-18 1-10 35-38 38-39

ring bonds :

2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 14-15 14-19
15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

exact/norm bonds :

1-2 1-18 1-10

exact bonds :

35-38 38-39

normalized bonds :

2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 14-15 14-19
15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

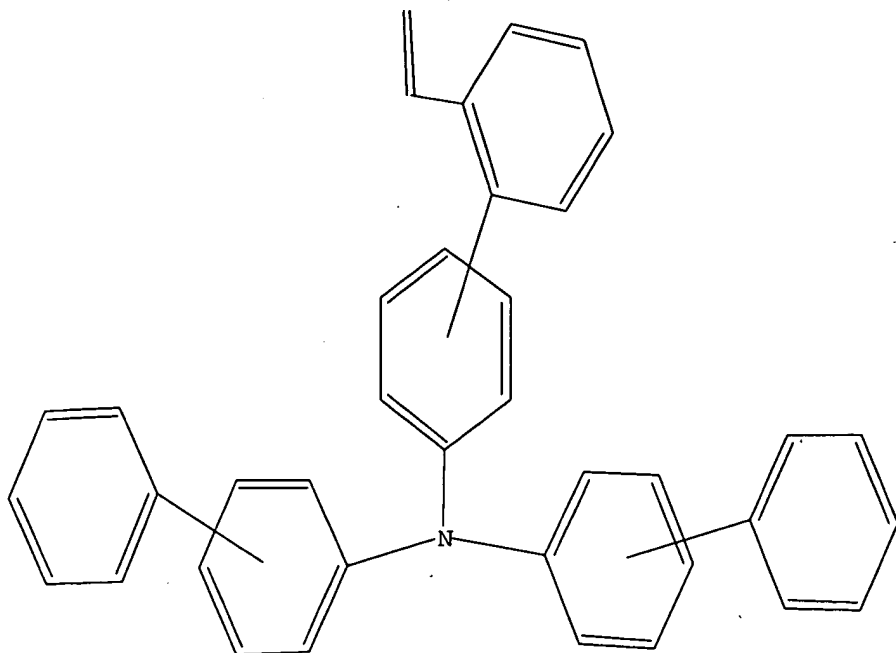
Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS

L8 STRUCTURE UPLOADED

=> d query

L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l8

SAMPLE SEARCH INITIATED 13:08:03 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1619 TO ITERATE

61.8% PROCESSED 1000 ITERATIONS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED ITERATIONS: 29967 TO 34793
 PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s l8 full

FULL SEARCH INITIATED 13:08:07 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 32806 TO ITERATE

100.0% PROCESSED 32806 ITERATIONS
 SEARCH TIME: 00.00.02

0 ANSWERS

L10 0 SEA SSS FUL L8

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

324.81

486.80

FILE 'CAPLUS' ENTERED AT 13:08:14 ON 05 MAR 2005
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 5 Mar 2005 VOL 142 ISS 11
FILE LAST UPDATED: 4 Mar 2005 (20050304/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 13:02:20 ON 05 MAR 2005)

FILE 'REGISTRY' ENTERED AT 13:02:29 ON 05 MAR 2005

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 8 S L1 FULL

FILE 'CAPLUS' ENTERED AT 13:03:19 ON 05 MAR 2005

L4 6 S L3

FILE 'REGISTRY' ENTERED AT 13:04:08 ON 05 MAR 2005

L5 STRUCTURE UPLOADED
L6 0 S L5
L7 0 S L5 FULL
L8 STRUCTURE UPLOADED
L9 0 S L8
L10 0 S L8 FULL

FILE 'CAPLUS' ENTERED AT 13:08:14 ON 05 MAR 2005

=> d 14 1-6 abs ibib hitstr

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS ON STN
 AB The diamines are (E)- and/or (Z)- (Ar1Ar2N(X)Ar4C:CR(Ar3Ar5Ar6) [1; Ar1, Ar2, Ar4-Ar6 = (un)substituted aromatic hydrocarbyl, (un)substituted aromatic heterocyclyl; Ar1Ar2 and/or Ar5Ar6 may form N-containing heterocycle; R = H, cyano, halo, (un)substituted (cyclo)alkyl, (un)substituted aromatic hydrocarbyl, (un)substituted aromatic heterocyclyl; X, Ar3 = aromatic hydrocarbylene, aromatic heterocyclylene]. Thus, an organic electroluminescent device having a hole-injecting layer comprising I (Ar1 = Ar4 = Ar5 = Ph, Ar2 = Ar6 = 1-naphthyl, Ar3 = 1,4-phenylene, X = 4,4'-biphenylene, R = H) was manufactured and half life of its luminescence intensity was examined

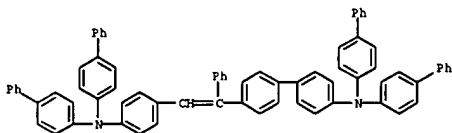
ACCESSION NUMBER: 2004:568564 CAPLUS
 DOCUMENT NUMBER: 141:131025
 TITLE: Aromatic diamines and their organic electroluminescent devices showing good durability
 INVENTOR(S): Totani, Yoshiyuki; Shimamura, Takehiko; Tanabe, Yoshinatsu; Tsukada, Hidetaka
 PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 69 pp.
 CODEN: JXKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004196716	A2	20040715	JP 2002-367559	20021219

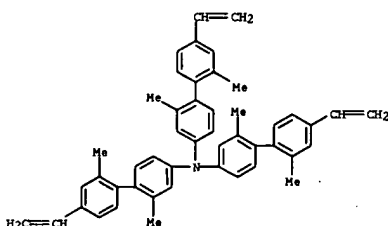
PRIORITY APPLN. INFO.: JP 2002-367559 20021219
 OTHER SOURCE(S): MARPAT 141:131025
 IT 722547-36-6P

RL: DEV (Device component use); IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (aromatic diamines as electroluminescent materials for organic electroluminescent devices showing good durability)

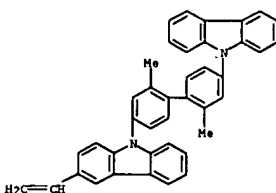
RN 722547-36-6 CAPLUS
 CN [1,1'-Biphenyl]-4-amine, N,N-bis([1,1'-biphenyl]-4-yl)-4'-[2-[4-[bis([1,1'-biphenyl]-4-yl)amino]phenyl]-1-phenylethenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



CH 3
 CRN 714976-22-4
 CMF C40 H30 N2



L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS ON STN
 AB The invention relates to an organic electroluminescent device comprising a light-emitting layer containing a phosphorescent dopant and a multifunctioning polymer, wherein, at least, the two of functional mol. units selected from a luminescent host unit, a hole transporting unit, and an electron transporting unit constitute the multifunctioning polymer.

ACCESSION NUMBER: 2004:530380 CAPLUS
 DOCUMENT NUMBER: 141:96344
 TITLE: Organic electroluminescent device for displays and illumination source and its production method
 INVENTOR(S): Kita, Hiroshi; Yamada, Taketoshi; Suzurizato, Yoshiyuki; Ueda, Noriko
 PATENT ASSIGNEE(S): Konica Minolta Holdings Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 65 pp.
 CODEN: JXKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004185967	A2	20040702	JP 2002-351157	20021203

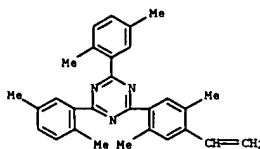
PRIORITY APPLN. INFO.: JP 2002-351157 20021203
 IT 714976-25-7

RL: DEV (Device component use); USES (Uses) (organic electroluminescent device having phosphorescent dopant and multifunctioning polymer in light emitting layer)

RN 714976-25-7 CAPLUS
 CN [1,1'-Biphenyl]-4-amine, 4'-ethenyl-N,N-bis(4'-ethenyl-2,2'-dimethyl[1,1'-biphenyl]-4-yl)-2,2'-dimethyl-, polymer with 2,4-bis(2,5-dimethylphenyl)-6-(4'-ethenyl-2,5-dimethylphenyl)-1,3,5-triazine and 9-(4'-ethenyl-2,2'-dimethyl[1,1'-biphenyl]-4-yl)-3-ethenyl-9H-carbazole (9CI) (CA INDEX NAME)

CH 1

CRN 714976-24-6
 CMF C29 H29 N3



CH 2

CRN 714976-23-5
 CMF C48 H45 N

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS ON STN
 AB A new class of hole-transporting vinyl polymers, poly(4-vinyl-4'-[bis(4'-tert-butylbiphenyl-4-yl)amino]biphenyl) (PVBAB) and poly(4-vinyl-4'-[N,N-bis(9,9-dimethylfluoren-2-yl)amino]biphenyl) (PVPAB), and a new emitting vinyl polymer, poly(2-[4-[4-vinylphenyl(4-methylphenyl)amino]phenyl]-5-dimethylborylthiophene) (PVPABM-IT), were designed and synthesized. These new vinyl polymers form smooth amorphous films with high glass transition temps. of ca. 200 °C. PVBAB and PVPAB possess electron-donating properties, and PVPABM-IT possesses bipolar character with both electron-donating and accepting properties, exhibiting strong fluorescence in solution and as films. Organic electroluminescent devices using PVBAB or PVPAB as a hole-transport layer and N,N'-dimethylquinacridone-doped tris(8-quinolinolato)aluminum as an emitting layer were thermally stable and exhibited very high performance. The use of PVPABM-IT as an emitting material also permitted the fabrication of a high-performance, green-emitting organic EL device.

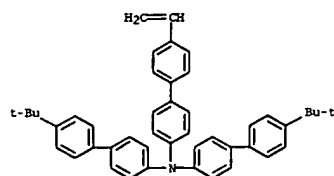
ACCESSION NUMBER: 2003:861937 CAPLUS
 DOCUMENT NUMBER: 141:174513
 TITLE: Development of a new class of hole-transporting and emitting vinyl polymers and their application in organic electroluminescent devices
 AUTHOR(S): Mutaguchi, Daisuke; Okumoto, Kenji; Ohseido, Yutaka; Moriwaki, Kazuyuki; Shirota, Yasuhiko
 CORPORATE SOURCE: Faculty of Engineering, Department of Applied Chemistry, Osaka University, Suita, Osaka, 565-0871, Japan
 SOURCE: Organic Electronics (2003), 4(2-3), 49-59
 CODEN: OERLAU; ISSN: 1566-1199
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 733744-97-3P
 RL: PREP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (hole-transporting polymer; synthesis of new class of hole-transporting and emitting vinyl polymers and their application in organic electroluminescent devices)

RN 733744-97-3 CAPLUS
 CN [1,1'-Biphenyl]-4-amine, N,N-bis(4'-[1,1-dimethylethyl](1,1'-biphenyl)-4-yl)-4'-ethenyl-, homopolymer (9CI) (CA INDEX NAME)

CH 1

CRN 733744-96-2
 CMF C46 H45 N

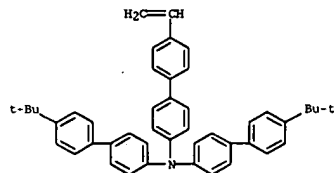


IT 732744-96-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(monomer; preparation of, and in synthesis of new class of hole-transporting and emitting vinyl polymers)

RN 732744-96-2 CAPLUS

CN [1,1'-Biphenyl]-4-amine, N,N-bis[4'-(1,1-dimethylethyl)[1,1'-biphenyl]-4-yl]-4'-ethenyl- (SCI) (CA INDEX NAME)



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB The present invention relates to an electrophotog. photoreceptor including at least an electroconductive substrate; and a photosensitive layer located overlying the electroconductive substrate, wherein the photosensitive layer comprises an amino compound. The present invention provides an electrophotog. photoreceptor having high durability against a repeated use for a long time, preventing deterioration of image d. and blurred images and stably producing high quality images.

ACCESSION NUMBER: 2003:201565 CAPLUS

DOCUMENT NUMBER: 138:245532

TITLE: Electrophotographic photoreceptor, and image forming method, image forming apparatus and process cartridge therefor using the photoreceptor

INVENTOR(S): Ikegami, Takaaki; Suzuki, Yasuo; Shimada, Tomoyuki;

Tamoto, Noromu; Kani, Hidetoshi

PATENT ASSIGNEE(S): Ricoh Company, Ltd., Japan

SOURCE: Eur. Pat. Appl., 84 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1291723	A2	20030312	EP 2002-20005	20020905
EP 1291723	A3	20030806		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2003316063	A2	20031106	JP 2002-188643	20020627
JP 3568518	B2	20040922		
CN 1405640	A	20030326	CN 2002-131849	20020906
US 2003194627	A1	20031016	US 2002-235961	20020906
US 6861188	B2	20050301		
JP 2004062131	A2	20040226	JP 2002-313111	20021028
PRIORITY APPLN. INFO.:				
			JP 2001-271060	A 20010906
			JP 2001-338194	A 20011102
			JP 2001-367085	A 20011130
			JP 2002-48616	A 20020225
			JP 2002-54889	A 20020228
			JP 2002-54911	A 20020228
			JP 2002-163547	A 20020604
			JP 2002-188643	A 20020627

OTHER SOURCE(S): MARPAT 138:245532

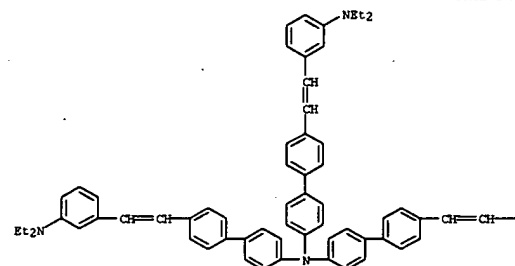
IT 501368-02-1

RL: TEM (Technical or engineered material use); USES (Uses)
(amino compound; electrophotog. photoreceptor for image forming method and image forming apparatus and process cartridge containing)

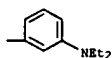
RN 501368-02-1 CAPLUS

CN [1,1'-Biphenyl]-4-amine, 4'-[2-[3-(diethylamino)phenyl]ethenyl]-N,N-bis[4'-[2-[3-(diethylamino)phenyl]ethenyl][1,1'-biphenyl]-4-yl]- (SCI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



AB The title photoreceptor has a layer containing a compound (charge transport substance) A1A2N-A6-A7-N(A3)-[A5-n-CH:CA4R [A1-4 = (sub)aryl; A5-7 = (sub)arylene; R = H, alkyl, (sub)aryl; R and A4 may bond with other atoms to form a ring; n = 1, 2]. The photoreceptor shows high sensitivity and stability for repeated use.

ACCESSION NUMBER: 1995:266950 CAPLUS

DOCUMENT NUMBER: 122:42660

TITLE: Electrophotographic photoreceptor containing charge transport substance

INVENTOR(S): Hayata, Hirofumi; Hirose, Hisashi

PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan

SOURCE: Jpn. Kokai Tokyo Koho, 40 pp.

CODEN: JKOXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06011854	A2	19940121	JP 1992-167792	19920625
JP 3177792	B2	20010618		
PRIORITY APPLN. INFO.:				
			JP 1992-167792	19920625

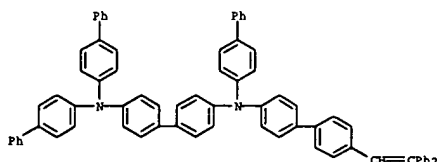
OTHER SOURCE(S): MARPAT 122:42660

IT 159918-81-7

RL: DEV (Device component use); USES (Uses)
(charge transport substance for high-sensitivity electrophotog. photoreceptor)

RN 159918-81-7 CAPLUS

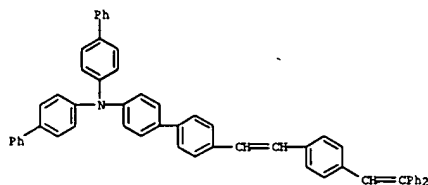
CN [1,1'-Biphenyl]-4,4'-diamine, N,N,N'-tris[([1,1'-biphenyl]-4-yl)-N'-[4'-[2,2-diphenylethenyl][1,1'-biphenyl]-4-yl]- (SCI) (CA INDEX NAME)



L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
 AB A high-sensitivity electrophotog. photoreceptor showing a reduced fluctuation of dark/light potential after prolonged use is claimed which comprises a charge-transporting layer containing a conjugated system represented by A1A2NA3CR1:CR2A4CR3:CA5A6 [A1, A2, A5, A6 = (un)substituted aryl, heterocyclic group; A3, A4 = (un)substituted divalent organic moiety; R1-R3 = H, halo, CN, alkyl, aryl, aralkyl].
 ACCESSION NUMBER: 1988:464265 CAPLUS
 DOCUMENT NUMBER: 109:64265
 TITLE: Conjugated organic charge-transporting material for high-sensitivity electrophotographic photoreceptor
 INVENTOR(S): Matsumoto, Masakazu
 PATENT ASSIGNER(S): Canon K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
 CODEN: JKKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63027848	A2	19880205	JF 1986-172581	19860722
JP 06075206	B4	19940921		
PRIORITY APPLN. INFO.:			JF 1986-172581	19860722

OTHER SOURCE(S): MARPAT 109:64265
 IT 115553-84-9
 RL: USES (Uses)
 (charge-transporting layer containing, for electrophotog. photoreceptor)
 RN 115553-84-9 CAPLUS
 CN [1,1'-Biphenyl]-4-amine, N,N-bis([1,1'-biphenyl]-4-yl)-4'-[2-[4-(2,2-diphenylethenyl)phenyl]ethenyl]- (9CI) (CA INDEX NAME)



=> logoff y
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
31.44	518.24

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.38	-4.38

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 13:10:39 ON 05 MAR 2005